

WHAT IS CLAIMED IS:

1. A protective element to dissipate overvoltages, comprising:

a surge arrester having a first electrode and a second electrode;

a varistor that is fashioned as a disc and exhibits a lesser diameter than the surge arrester, the varistor having a lower electrode that sits directly upon the first electrode (E1) of the surge arrester, and an upper electrode;

a contact pin that contacts the first electrode of the surge arrester;

an electrically isolated spacer (ZS) that is arranged between the varistor and the contact pin;

an electrically conductive cup (B), in which the varistor (V) and the surge arrester are electrically connected in parallel between the cup and the contact pin (KS), the cup having base upon which sits the second electrode (E2) of the surge arrester, the cup having an electrical connection (EV) with the upper electrode of the varistor, wherein the contact pin is arranged at least partially in a space between the cup and the varistor.

2. The element according to claim 1, further comprising:

a spreader element that comprises at least two arms connected with the upper electrode of the varistor (V), the spreader element being braced in the cup (B), and that serves as an electrical connection with the cup.

3. The element according to claim 1, wherein the contact pin (KS) comprises at least two feet (F) that are directed laterally past the varistor (P).

4. The element according to claim 3, wherein the spacer (ZS) is fitted to an inner diameter of the cup (B), and comprises openings separated from one another for feet (F) of the contact pin (KS).

5. The element according to claim 2, wherein the contact pin (KS) comprises at least two feet (F) that are directed laterally past the varistor (P) wherein the spacer (ZS) is fitted to an inner diameter of the cup (B), and the spacer comprises openings separated from one another for feet (F) of the contact pin (KS) or for the feet of the contact pin and the arms of the spreader element (SE).

6. The element according to claim 1, wherein the spacer (ZS) comprises a depression in the middle in which the contact pin is partially embedded.

7. The element according to claim 1, wherein the spacer (ZS) comprises a depression in the middle in which the varistor is partially embedded.

8. The element according to claim 1, wherein the varistor (V), surge arrester (UA), and cup (B) are fashioned rotationally symmetric, in that the contact pin (KS), spacer (ZS), varistor (V), and surge arrester (UA) are arranged coaxial and concentric to a central axis (A) of the cup.

9. The element according to claim 1, wherein the width of the cup (B) in the region of the surge arrester (UA) exhibits a step-like expansion, such that, in the region of the first electrode (E1) of the surge arrester, the cup is separated apart from it.

10. The element according to claim 1, wherein the cup (B) and the contact pin (KS) are fashioned from brass.

11. The element according to claim 1, wherein the spacer is fashioned from rubber or silicon.

12. The element according to claim 1, wherein the element is configured to have an operating voltage of the varistor such that it is above the operating voltage of the surge arrester (UA).

13. A telecommunication device using the element according to claim 1 for protection.

14. A high-frequency telecommunication system component using the element according to claim 1 for protection.